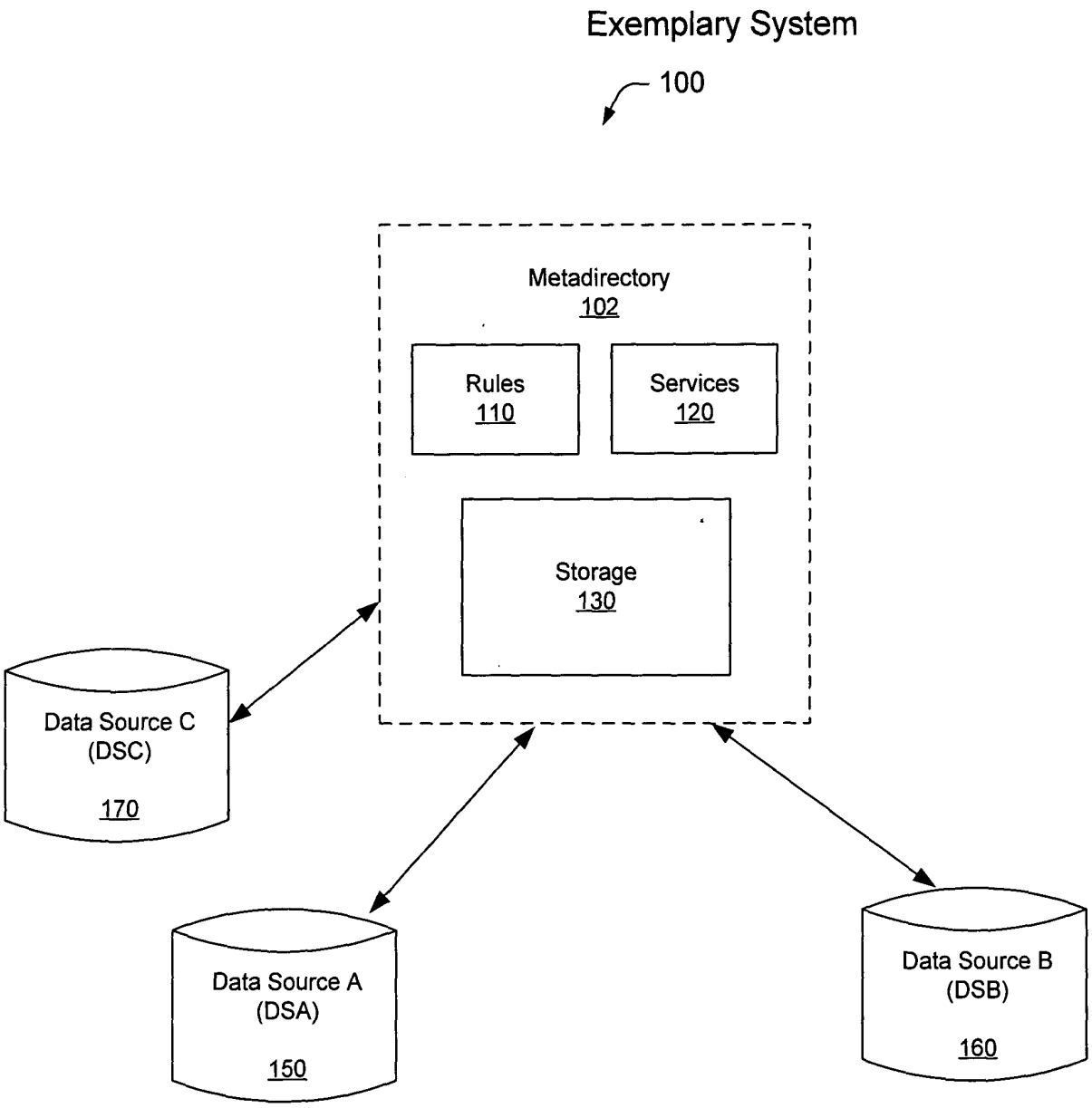
Exemplary System
100
Metadirectory
102
Rules
110
Services
120
Storage
130
Data Source C
(DSC)
170
Data Source A
(DSA)
150
Data Source B
(DSB)
160

Fig. 1

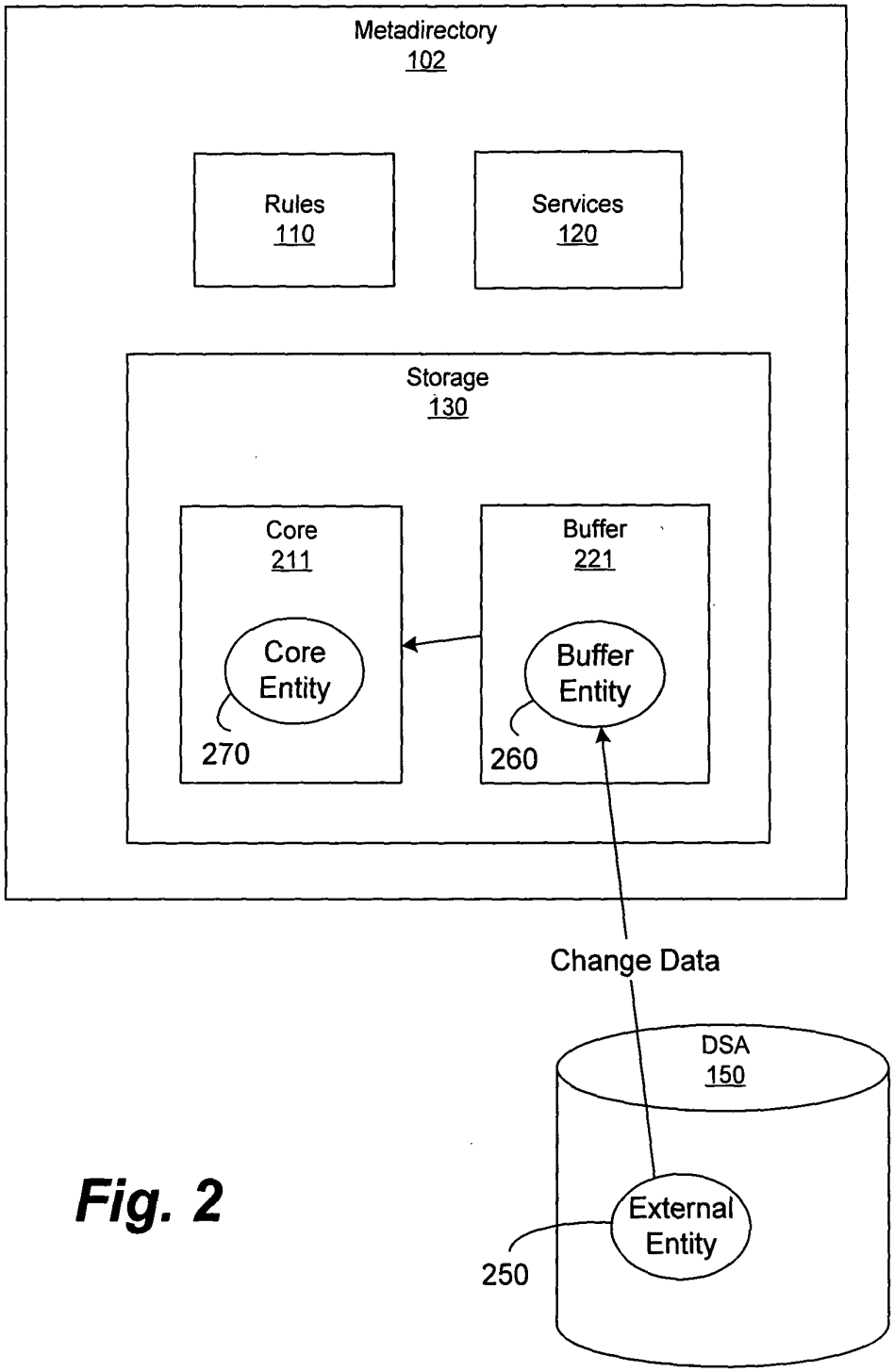
Metadirectory
102
Rules
110
Services
120
Storage
130
Core
211
Core Entity
270
Buffer
221
Buffer Entity
260
Change Data
DSA
150
External Entity
250

Fig. 2

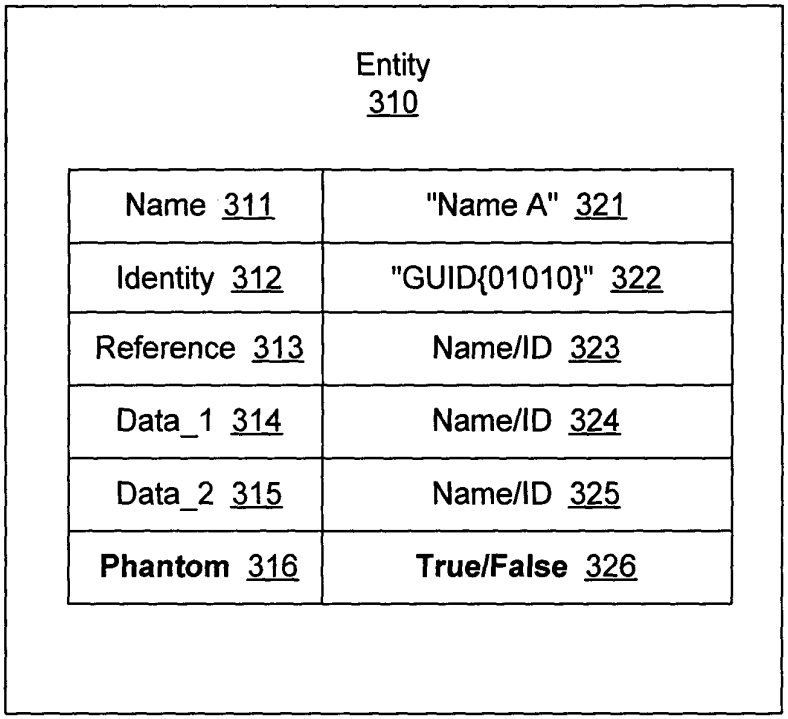
Entity
310
Name 311
"Name A" 321
Identity 312
"GUID{01010}" 322
Reference 313
Name/ID 323
Data_1 314
Name/ID 324
Data_2 315
Name/ID 325
Phantom 316
True/False 326

Fig. 3

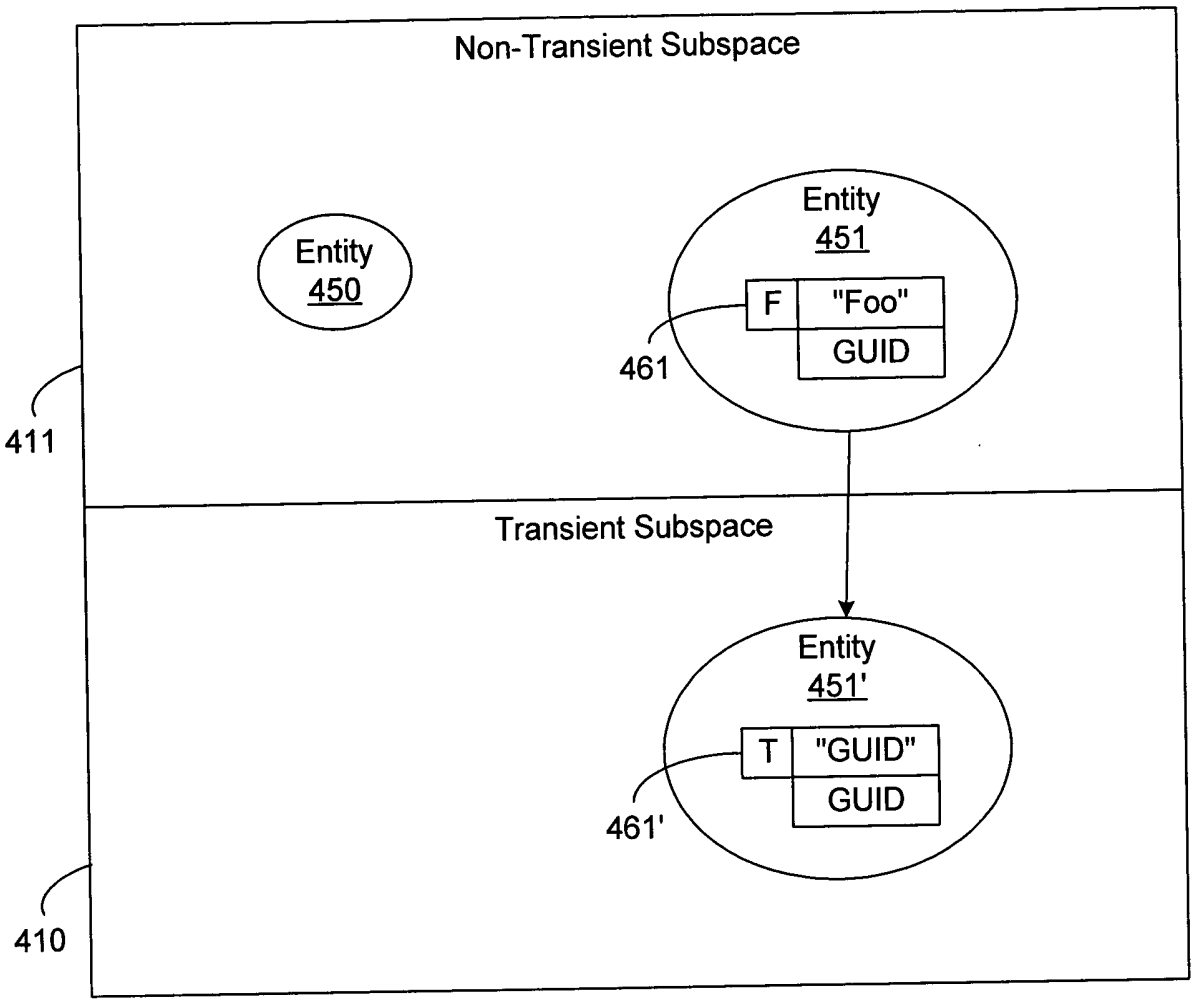
Non-Transient Subspace
Entity
450
Entity
451
F
"Foo"
GUID
461
411
Transient Subspace
Entity
451'
T
"GUID"
GUID
461'
410

Fig. 4

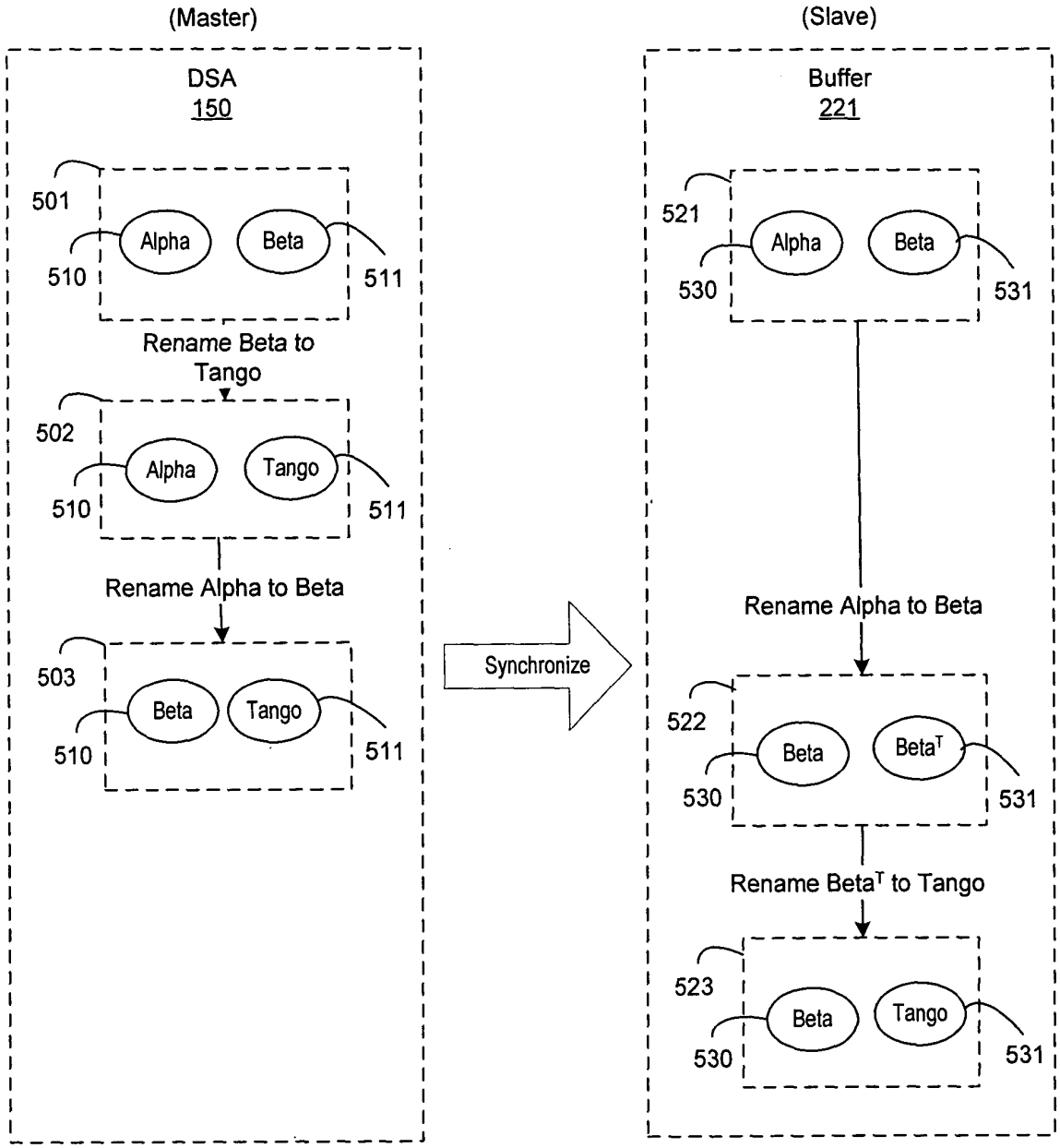
(Master)
DSA
150
501
Alpha
Beta
510
511
Rename Beta to Tango
502
Alpha
Tango
510
511
Rename Alpha to Beta
503
Beta
Tango
510
511
Synchronize
(Slave)
Buffer
221
521
Alpha
Beta
530
531
Rename Alpha to Beta
522
Beta
Beta^T
530
531
Rename Beta^T to Tango
523
Beta
Tango
530
531

Fig. 5

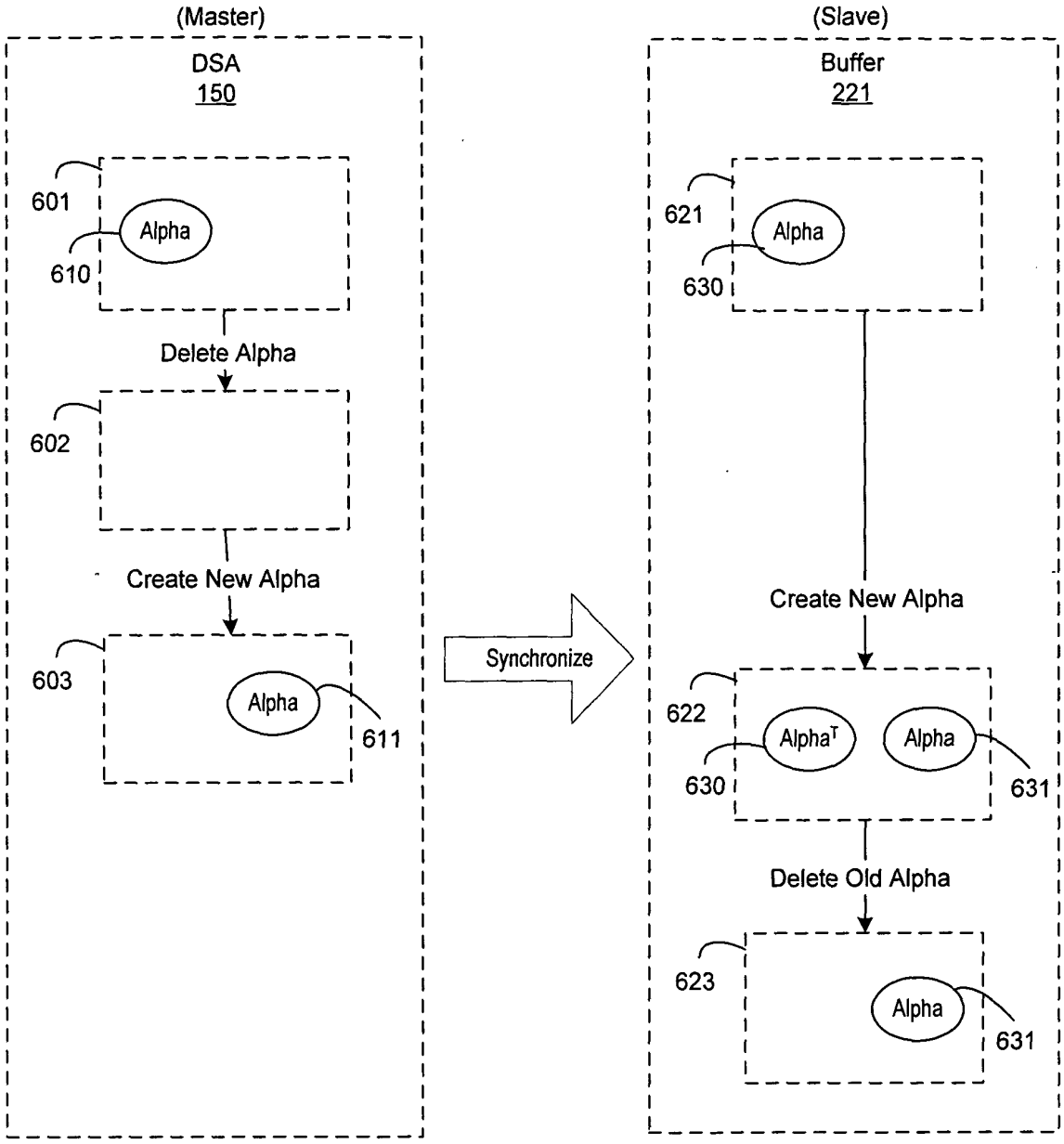
(Master)
DSA
150
601
Alpha
610
Delete Alpha
602
Create New Alpha
603
Alpha
611
Synchronize
(Slave)
Buffer
221
621
Alpha
630
Create New Alpha
622
Alpha^T
Alpha
630
631
Delete Old Alpha
623
Alpha
631

Fig. 6

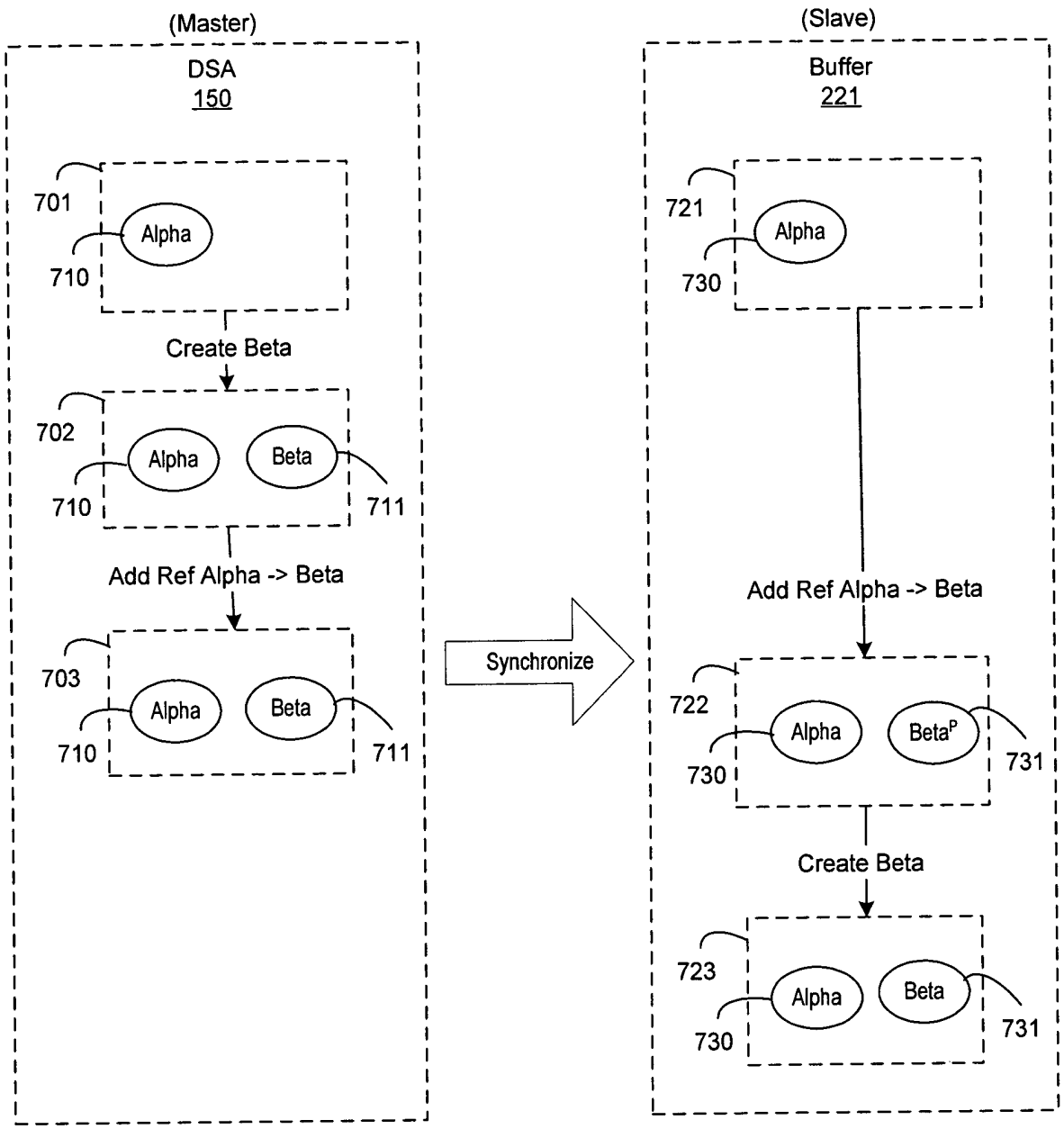
(Master)
DSA
150
701
Alpha
710
Create Beta
702
Alpha
Beta
710
711
Add Ref Alpha -> Beta
703
Alpha
Beta
710
711
Synchronize
(Slave)
Buffer
221
721
Alpha
730
Add Ref Alpha -> Beta
722
Alpha
Beta^P
730
731
Create Beta
723
Alpha
Beta
730
731

Fig. 7

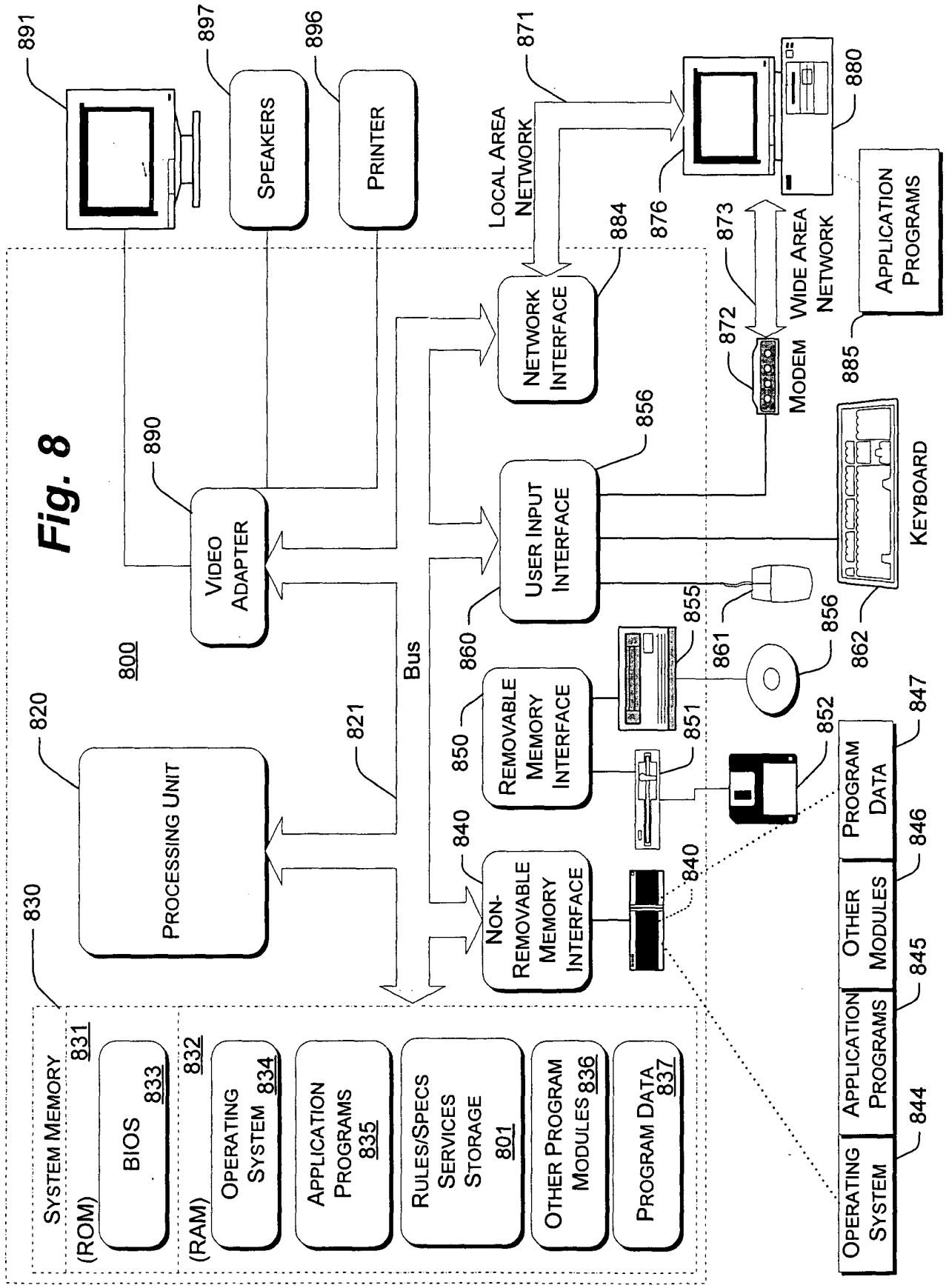
Fig. 8
800
830
System Memory
(ROM) 831
BIOS 833
(RAM) 832
Operating System 834
Application Programs 835
Rules/Specs Services Storage 801
Other Program Modules 836
Program Data 837
820
Processing Unit
821
Bus
840
Non-Removable Memory Interface
850
Removable Memory Interface
851
852
855
856
860
User Input Interface
861
862
Keyboard
890
Video Adapter
891
897
Speakers
896
Printer
884
Network Interface
871
Local Area Network
872
873
Modem
Wide Area Network
876
880
885
Application Programs
Operating System 844
Application Programs 845
Other Modules 846
Program Data 847